AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-15. (cancelled)

16. (new) An isolated polynucleotide comprising:
(a) a nucleotide sequence encoding a polypeptide having cysteine γ synthase activity, wherein the polypeptide has an amino acid sequence of at least 90% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:31, or
(b) the full-length complement of the nucleotide sequence of (a).

17. (new) The polynucleotide of Claim 16, wherein the amino acid sequence of the polypeptide has at least 95% sequence identity, based on the Clustal method of alignment, when compared to SEQ ID NO:31.

18. (new) The polynucleotide of Claim 16, wherein the amino acid sequence of the polypeptide comprises SEQ ID NO:31.

19. (new) The polynucleotide of Claim 16 wherein the nucleotide sequence comprises SEQ ID NO:30.

20. (new) A vector comprising the polynucleotide of Claim 16.

21. (new) A recombinant DNA construct comprising the polynucleotide of Claim 16 operably linked to at least one regulatory sequence.

22. (new) A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 16.

23. (new) A cell comprising the recombinant DNA construct of Claim 21.

24. (new) A plant comprising the recombinant DNA construct of Claim 21.

25. (new) A seed comprising the recombinant DNA construct of Claim 21.

26. (new) A method of selecting an isolated polynucleotide that affects the level of expression of a polypeptide in a plant cell, the method comprising the steps of:

(a) constructing the isolated polynucleotide of Claim 16;
(b) introducing the isolated polynucleotide into the plant cell;
(c) measuring the level of the polypeptide of Claim 16 in the plant cell containing the polynucleotide; and
(d) comparing the level of the polypeptide in the plant cell containing the isolated polynucleotide with the level of the polypeptide in a plant cell that does not contain the polynucleotide.